The Innovative Complete Program for Optical Production.

smart solutions for professionals.
Precision Optics
- Spherical optics
- Aspherical optics
- Plano optics
- Cylinder optics
- Freeform optics

Ophthalmic Lenses
- Rx-production of freeform lenses
- and standard spherical/toroidal lenses
- Complete Lab Solutions

Mold Production
- Production of molds for freeform
- and standard progressive-addition lenses

Metrology
- Tactile 3D measuring technology
- Interferometric measuring technology
- Runout testers and adjusting machines
- Stitching Interferometers

Coating Technology
- AR coating systems
- Hard coating systems
- Quality control

Tool & Consumables
- Diamond tools,
- Grinding and Polishing tools,
- Polishing fluids, Pads,
- Pre-cut polishing foils, Cooling lubricants,
- PCD cutters

Our Philosophy:
The use of OptoTech machinery guarantees highest product qualities. It offers our customers an entrance to certify their products according to international quality standards, sets the stage for a more efficient production of optical components and gives our customers an economically valuable competitive edge.

Vision and Mission.
More quality and efficiency for optical production.

Comprehensive product range.
For all production areas.

In the circle of optical machinery manufacturers, OptoTech is regarded as the world leader when it comes to engineering and process technology.

The most comprehensive product range worldwide satisfies the needs of all ophthalmic and precision optic lens production areas.

OptoTech always offers complete production lines.

Fresh knowledge.
Head start through consultation.
The solution lies in better processing methods.

Process and tool development.

Comprehensive range of supplies and consumables.
OptoCheck Customer-oriented tele-diagnosis "online"

More local service.
Benefit for our customers.

Even for standard requirements, we always take a close look at the customer’s production process. The high quality of our advice is nourished by our formidable, cutting-edge technological knowledge and our conviction that a good processing method idea must take precedence over the investment in machinery, because the solution often lies in the design of a simple, yet innovative tool.

OptoTech supplies all tools and consumables needed for optical production. The adaptation of standard tools to meet the customer’s particular applications is always possible. Even the complete production process for an optical component can be supplied, if desired.

Quick help via data link: With OptoCheck. We log into the "brain" of your OptoTech CNC machine, enabling us to solve any problems quickly and economically.

OptoTech has consultants and service personnel in Europe, USA, China, Russia, India, South America and Japan. As a result, start-up of the machinery, for example, can generally be done immediately after delivery.

One stop shopping!

Our worldwide success is based on our future-oriented process know-how. OptoTech’s core function is to continuously improve the efficiency of our customers’ production processes:

- With new, revolutionary ideas which shorten and speed up conventional production processes, or maximize their precision.
- With machines and tools that are so flexible and versatile in their use, that they can skip some conventional worksteps, while at the same time improving the production quality.
Precision Optics.

Since the company was founded, OptoTech has been setting standards in the area of machinery and processes for the precision optics industry. Each optic has its own challenges and must be considered from its own individual perspective when it comes to its production. Greatly differing materials, geometries and tolerances bring with them the necessity for a lot of machinery. OptoTech presently offers the most comprehensive range of machinery and processes for processing precision optics worldwide.

We supply optics processing centers for grinding, polishing and centering / edging, correction polishing machines for achieving the highest possible quality, measuring technology, as well as alignment and joining technologies. Whether you need a machine for round optics, plano optics, aspherics, or for the production of cylinders or the generation of freeform surfaces; from micro-optics as small as Ø 1 mm, to optics used in lithography and in the aeronautical and aerospace industry up to Ø 2000 mm; from lenses to prisms, from domes to complex optical components; OptoTech offers cutting edge technology. Numerous patents and national and international awards substantiate the high degree of innovation of our machines and processes.

When it comes to the materials that are to be processed, we can supply machines, technology and processes to cover virtually the entire range of optical materials; whether soft materials for laser applications or thermal imaging systems, or hard materials such as quartz or sapphire. Whether glass, ceramic, or metal – OptoTech can supply the necessary technology.

All from one source, complete with expert advice and a view to the future.

OptoTech presently offers the worldwide most comprehensive range of machinery and processes for processing precision optics.

Training, Continuing Education, Development.

Technologically sophisticated solutions.

Comprehensive service.

OptoTech – Smart tools for professionals.

However, we don’t just offer development and sales, but also provide you with worldwide service and after-sales support.

Discovering new horizons is run of the mill for us. Our highly qualified technicians and engineers continually further develop our machines and processes and thereby keep extending the boundaries of what is possible. We can therefore supply you with the technology that guarantees you a considerable competitive edge.

We are quite proud of the fact that many processes that were initially developed by OptoTech are now considered state-of-the-art and are used worldwide.

Germany has been one of the renowned players in the optical technology field for more than 150 years. Companies such as Schott, Zeiss, Leitz, etc. put Germany on the world map in this area. Alongside these optics-producing companies, another industry was created in the field of optical production systems and coating systems for optical components, which also attained world leadership. With its know-how and products, OptoTech is following in the tradition of these companies, by being on top of its field.

There is no production task for which we cannot supply a tailor-made solution.

Precision optics as the basis for nearly all cutting-edge technologies that are setting standards in the world today. Optics are the basis for many innovations. OptoTech is a partner to many renowned companies that are active in the industry. We have customers in almost every country in the world and we are an absolute global player with exports accounting for more than 80%.

Precision optics are the basis for cutting-edge technologies.
OptoTech has revolutionized the range of available production systems for the production of high quality spectacle lenses. Our technology and system concept provides a tailor made solution for every Rx-production facility – from the smallest “one hour store”, to large labs for industrial mass production.

OptoTech supplies not only the machinery, but also a whole range of LAB management software, from design software for progressive-addition lenses of the latest generation, to taping, blocking, surface generation and coating, in fact everything that a lab needs.

This concept is unique worldwide and is absolutely without competition.

In the meantime, we have become a totally independent system supplier in the ophthalmic lens industry - in all disciplines involved in the production of spectacle lenses. We offer the right machine solution for all plastic and silica products, such as mass-produced lenses, Rx-lenses, freeform lenses and molds for any products.

We supply high quality and very durable tools for the production of ophthalmic lenses.

The OptoTech Design-Portfolio is setting new benchmarks regarding individuality and functionality in the area of high-end progressive lenses.

Our premium design, FREEfocal®, stands for maximum visual comfort. Comprehensive training, long-term service and the supply of important consumables guarantee you a stable, trouble-free production.

OptoTech supplies not only the machinery, but also a whole range of LAB management software, from design software for progressive-addition lenses of the latest generation, to taping, blocking, surface generation and coating, in fact everything that a lab needs.

This concept is unique worldwide and is absolutely without competition.

In the meantime, we have become a totally independent system supplier in the ophthalmic lens industry - in all disciplines involved in the production of spectacle lenses. We offer the right machine solution for all plastic and silica products, such as mass-produced lenses, Rx-lenses, freeform lenses and molds for any products.

We supply high quality and very durable tools for the production of ophthalmic lenses.

The OptoTech Design-Portfolio is setting new benchmarks regarding individuality and functionality in the area of high-end progressive lenses.

Our premium design, FREEfocal®, stands for maximum visual comfort. Comprehensive training, long-term service and the supply of important consumables guarantee you a stable, trouble-free production.

Our product range now encompasses the following LAB concepts:

- smartLAB superstore
- smartLAB compact
- smartLAB autoline
- smartLAB ultraline

These modular LAB concepts enable us to provide you with new solutions, tailor made for your company size or your requirements.

All products in our FREEfocal® design family are optimized for all production concepts. This optimization includes auxiliary supplies and consumables, tools, machine macros, coating process technology, and the entire LAB peripherals, such as LMS calculation concepts and the necessary measuring technology.
The production of high-precision lens molds for casting semi-finished progressive-addition or a-toric lenses is the ultimate discipline in the ophthalmic lens industry. OptoTech is the absolute market leader in this sector, offering a whole range of machinery for the digital production of lens molds. The most innovative production method in conjunction with precision measuring technology for monitoring the production process makes our concept unique.

To keep pace with the increasingly rapid development cycles for new designs, a highly flexible and efficient lens mold production is a must for any company. The OptoTech Mold Line enables implementation of a new design in a matter of weeks, from development to mass production. At the same time, digital production greatly improves the precision. Some modern, progressive designs can still only be produced using mechanical production methods.

OptoTech offers a complete system of machinery and software, not to mention process training.

OptoTech is a pioneer for workshop measuring technology. Since the company was founded in 1985, we have developed a suitable measuring instrument for every production cell for use in the workshop.

Even today, this tradition is still the basis of all developments. In the meantime, OptoTech can offer a unique range of workshop interferometers, 3D measuring machines, centering testers and turning machines for aligning optical components.

To ensure that our products are always the best in the world, we combine our equipment with only the best laser modules, analysis software, and measuring objectives available worldwide.

Following our motto: „Only if we see it, can we improve it“, we see metrology as an enabler for processing highest quality optical components. That’s why it is self-evident for us to bring metrology and processing machinery in line. Due to this OptoTech also offers software programs which allow correction data for the processing machinery to be determined by means of online feedback of measured values.

OptoTech metrology consists of four basic modules:
1. Interferometers for testing the surfaces of plano lenses, spheres and aspheres
2. Centering testers and cementing devices
3. Alignment adhesive equipment and alignment turning technology
4. Tactile 3D measuring technology

To keep the quality of our products on top of the world market, we combine our measuring systems only with the best laser modules, software solutions and reference spheres available on the world market.
OptoTech

Finish your optical components with high-quality coatings.

Our coatings: From anti-reflective coatings up to complex interference filters.

Processes and Hardware, OptoTech offers one stop shopping.

Development and optimization of your layer stacks.

New in coating? No fear, we will help you!

Surface generation and coating are best done hand-in-hand. Only properly coordinated processes ensure that your products are of the highest quality.

OptoTech offers a broad variety of coating solutions to refining optics. The product portfolio includes systems for scratch-resistant coatings, anti-reflective coatings, clean coats for ophthalmic applications, and systems for the refinement of optical components for applications in the fine and precision optics area. This includes simple AR coatings as well as complex interference filters. Testing and measuring devices for characterization of the coatings and quality control complete our product range.

OptoTech coating systems are available in different sizes and with different configurations. The production systems can thus be customized to meet our customers’ individual needs. Our coating systems are characterized by the product quality for which OptoTech is known, ease of use, and exceptional reliability in your daily production operation.

Nothing works without the proper process. In addition to the wide range of coating systems, OptoTech also supplies the appropriate coating processes and materials. On our systems, you can thus achieve optimal coating results for your products. Our experienced and powerful coating-team guarantees a proper solution for all coating applications. Of course this holds true for ophthalmics as well as precision optics machinery.

Fresh knowledge, Head start through consultation.

The solution lies in better processing methods.

Process and tool development.

Comprehensive range of supplies and consumables.

OptoCheck. Customer oriented tele-diagnosis “online”

More local service.

Benefit for our customers.

The best machines and systems can only perform at their maximum efficiency when the tools and consumables are also ideally suited to the processes.

The OptoTech Consumables product range for ophthalmics and precision optics provides you with a comprehensive solution for all of your applications.

All of the products that we offer undergo extensive testing and are optimally tailored for use on our machines and systems. Some of our tool concepts are unique and underline why our processes are at the forefront of technology. Optimal production can only truly be achieved by combining the machinery with high-quality tools and consumables.

The range of products that we offer includes all types of grinding and polishing tools, cooling lubricants and polishing fluids, and special tools, special adhesives, protective lacquers and films, polishing foils and polishing pads.

All chemicals used for the coating processes are optimally tailored for use on our systems, guaranteeing you the highest possible quality and process reliability.

Service centers and agents worldwide.
Welcome to OptoTech.

OptoTech GmbH
Löbstedter Straße 74
D-07749 Jena (Germany)
Phone: +49 36 41 44 37 59
Fax: +49 36 41 42 68 05
Mail: jena@optotech.de

OptoTech Inc. Ophthalmics
PO Box 665
Germantown, WI 53022 (USA)
Phone: +1 677 412 8350
Fax: +1 262 546 0705
Mail: infoRX@optotech.us

OptoTech S.r.l.
Via Indipendenza, 28
20014 Sant’Ilario Milanese
Milano (Italy)
Phone: +39 03 31 54 48 67
Fax: +39 03 31 45 79 73

OptoTech Optikmaschinen GmbH
Damji Shamji Trade Centre 505
5th Floor, Station Road
Vidyavihar – W
Mumbai- 400 086 (India)
Phone:+91 22 66 71 03 93
Mail:india@optotech.de

OptoTech AG
Dorffstraße 37
CH-4512 Bellach (Switzerland)
Phone: +41 32 613 38 00
Fax: +41 32 613 38 01
Mail: info@optotech.ch

OptoTech Optical Machinery Inc.
PO Box 7
Palm, PA 18070 (USA)
Phone: +1 215 679 2091
Fax: +1 215 679 2013
Mail: info@optotech.us

OptoTech Asia Ltd.
Room 22, 23/F, Metro Centre II
21 Lam Hing Street, Kowloon Bay
Hongkong
Phone: +852 3568 3243
Fax: +852 3568 3249
Mail: office@optotechhk.com

OptoTech Optikmaschinen GmbH
Sandusweg 2 - 4
D-35435 Wettenberg (Germany)
Phone: +49641 98203-0
Fax: +49641 98203-900
Mail: info@optotech.de
Web: www.optotech.de

smart solutions for professionals.